

Title (en)
PIPE CONNECTING DEVICE

Title (de)
ROHRVERBINDUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASSEMBLAGE DE TUYAUX

Publication
EP 2561260 B1 20141203 (DE)

Application
EP 11711783 A 20110329

Priority
• AT 5252010 A 20100401
• EP 2011001558 W 20110329

Abstract (en)
[origin: WO2011120669A1] The invention relates to a pipe connection devices for securely and sealingly connecting an insertion end (1) to a coupling (2) having a clamp ring (4) made of a plurality of elements (3) disposed so as to be displaceable relative to one another in the circumferential direction, comprising a variable circumference and that can be clamped against a coupling ring (6) by means of a clamping ring (5), wherein the clamping ring (5) comprises a clamping taper surface (7) and the coupling ring (6) comprises a coupling taper surface (8), and wherein the two taper surfaces (7, 8) face in the direction of the clamping ring and center axis (10), and wherein the width (9) of the clamping ring (4) reduces as the distances from the center axis (10) increases, wherein the elements (3) each comprise an insertion segment (14) and a receiving segment (15), such that the receiving segment (15) comprises side flanges (16) at least partially laterally enclosing the insertion segment (14) of the succeeding element in the region of the clamping taper surface (7) and the coupling taper surface (8).

IPC 8 full level
F16L 21/04 (2006.01); **F16L 21/08** (2006.01)

CPC (source: EP)
F16L 21/04 (2013.01); **F16L 21/08** (2013.01)

Citation (examination)
GB 2377737 B 20040225 - SAINT GOBAIN PIPELINES PLC [GB]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011120669 A1 20111006; AT 509694 A1 20111015; AT 509694 B1 20120215; DK 2561260 T3 20150216; EP 2561260 A1 20130227; EP 2561260 B1 20141203; ES 2527244 T3 20150121; JP 2013524110 A 20130617; JP 5753575 B2 20150722; KR 101791234 B1 20171027; KR 20130092949 A 20130821; PL 2561260 T3 20150529; PT 2561260 E 20150204; RU 2012141177 A 20140510; RU 2538135 C2 20150110

DOCDB simple family (application)
EP 2011001558 W 20110329; AT 5252010 A 20100401; DK 11711783 T 20110329; EP 11711783 A 20110329; ES 11711783 T 20110329; JP 2013501679 A 20110329; KR 20127028696 A 20110329; PL 11711783 T 20110329; PT 11711783 T 20110329; RU 2012141177 A 20110329